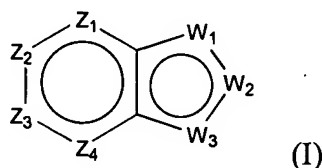


## AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A compound of formula (I):

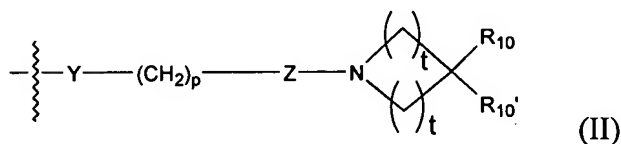


wherein:

~~Z<sub>1</sub> is CR<sub>1</sub> or N, Z<sub>2</sub> is CR<sub>2</sub> or N, Z<sub>3</sub> is CR<sub>3</sub> or N, and Z<sub>4</sub> is CR<sub>4</sub> or N, where no more than two of Z<sub>1</sub>, Z<sub>2</sub>, Z<sub>3</sub> and Z<sub>4</sub> are N;~~

~~W<sub>1</sub> is O, S, or NR<sub>5</sub>, one of W<sub>2</sub> and W<sub>3</sub> is N or CR<sub>6</sub>, and the other of W<sub>2</sub> and W<sub>3</sub> is CG; W<sub>1</sub> is NG, W<sub>2</sub> is CR<sub>5</sub> or N, and W<sub>3</sub> is CR<sub>6</sub> or N; or W<sub>1</sub> and W<sub>3</sub> are N, and W<sub>2</sub> is NG;~~

G is of formula (II):



Y is O, S, CHOH, -NHC(O)-, -C(O)NH-, -C(O)-, -OC(O)-, -(O)CO-, -NR<sub>7</sub>-, -CH=N-, or absent;

p is 1, 2, 3, 4 or 5;

Z is CR<sub>8</sub>R<sub>9</sub> or absent;

each t is 1, 2, or 3;

each R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub>, independently, is H, amino, hydroxyl, halo, or straight- or branched-chain C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>1-6</sub> heteroalkyl, C<sub>1-6</sub> haloalkyl, -CN, -CF<sub>3</sub>, -OR<sub>11</sub>, -COR<sub>11</sub>, -NO<sub>2</sub>, -SR<sub>11</sub>, -NHC(O)R<sub>11</sub>, -C(O)NR<sub>12</sub>R<sub>13</sub>, -NR<sub>12</sub>R<sub>13</sub>, -NR<sub>11</sub>C(O)NR<sub>12</sub>R<sub>13</sub>, -SO<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, -OC(O)R<sub>11</sub>, -O(CH<sub>2</sub>)<sub>q</sub>NR<sub>12</sub>R<sub>13</sub>, or -(CH<sub>2</sub>)<sub>q</sub>NR<sub>12</sub>R<sub>13</sub>, where q is an integer from 2 to 6, or R<sub>1</sub> and R<sub>2</sub> together form -NH-N=N- or R<sub>3</sub> and R<sub>4</sub> together form -NH-N=N-;

each R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub>, independently, is H, C<sub>1-6</sub> alkyl; formyl; C<sub>3-6</sub> cycloalkyl; C<sub>5-6</sub> aryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or C<sub>5-6</sub> heteroaryl, optionally substituted with halo or C<sub>1-6</sub> alkyl;

each R<sub>8</sub> and R<sub>9</sub>, independently, is H or straight- or branched-chain C<sub>1-8</sub> alkyl;

R<sub>10</sub> is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, C<sub>1-8</sub> heteroalkyl, C<sub>1-8</sub> aminoalkyl, C<sub>1-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>1-8</sub> hydroxyalkoxy, C<sub>1-8</sub> hydroxyalkyl, -SH, C<sub>1-8</sub> alkylthio, -O-CH<sub>2</sub>-C<sub>5-6</sub> aryl, -C(O)-C<sub>5-6</sub> aryl substituted with C<sub>1-3</sub> alkyl or halo, C<sub>5-6</sub> aryl, C<sub>5-6</sub> cycloalkyl, C<sub>5-6</sub> heteroaryl, C<sub>5-6</sub> heterocycloalkyl, -NR<sub>12</sub>R<sub>13</sub>, -C(O)NR<sub>12</sub>R<sub>13</sub>, -NR<sub>11</sub>C(O)NR<sub>12</sub>R<sub>13</sub>, -CR<sub>11</sub>R<sub>12</sub>R<sub>13</sub>, -OC(O)R<sub>11</sub>, -(O)(CH<sub>2</sub>)<sub>s</sub>NR<sub>12</sub>R<sub>13</sub> or -(CH<sub>2</sub>)<sub>s</sub>NR<sub>12</sub>R<sub>13</sub>, s being an integer from 2 to 8;

R<sub>10'</sub> is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, C<sub>1-8</sub> heteroalkyl, C<sub>1-8</sub> aminoalkyl, C<sub>1-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>1-8</sub> hydroxyalkoxy, C<sub>1-8</sub> hydroxyalkyl, or C<sub>1-8</sub> alkylthio;

each R<sub>11</sub>, independently, is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>2-8</sub> heteroalkyl, C<sub>2-8</sub> aminoalkyl, C<sub>2-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>2-8</sub> hydroxyalkyl, -C(O)-C<sub>5-6</sub> aryl substituted with C<sub>1-3</sub> alkyl or halo, C<sub>5-6</sub> aryl, C<sub>5-6</sub> heteroaryl, C<sub>5-6</sub> cycloalkyl, C<sub>5-6</sub> heterocycloalkyl, -C(O)NR<sub>12</sub>R<sub>13</sub>, -CR<sub>5</sub>R<sub>12</sub>R<sub>13</sub>, -(CH<sub>2</sub>)<sub>t</sub>NR<sub>12</sub>R<sub>13</sub>, t is an integer from 2 to 8; and

each R<sub>12</sub> and R<sub>13</sub>, independently, is H, C<sub>1-6</sub> alkyl; C<sub>3-6</sub> cycloalkyl; C<sub>5-6</sub> aryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or C<sub>5-6</sub> heteroaryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or R<sub>12</sub> and R<sub>13</sub> together form a cyclic structure;

or a pharmaceutically acceptable salt, ester or prodrug thereof.

2. (ORIGINAL) The compound of claim 1, wherein each t is 2 and R<sub>10</sub> is straight- or branched-chain C<sub>2-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, or C<sub>1-8</sub> heteroalkyl.

3. (ORIGINAL) The compound of claim 2, wherein R<sub>10</sub> is n-butyl.

4. (CANCELED)

5. (CURRENTLY AMENDED) The compound of claim 42, wherein each R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub>, independently, is H, hydroxyl, halo, C<sub>1-6</sub>heteroalkyl, CF<sub>3</sub>, -NO<sub>2</sub>, or

straight- or branched-chain C<sub>1-6</sub> alkyl, or R<sub>1</sub> and R<sub>2</sub> together form -NH-N=N- or R<sub>3</sub> and R<sub>4</sub> together form -NH-N=N-.

6. (ORIGINAL) The compound of claim 2, wherein Y is absent or O, p is 0, 1, 2 or 3, and R<sub>8</sub> and R<sub>9</sub> are H.

7. (ORIGINAL) The compound of claim 6, wherein Z is absent, Y is absent and p is 3.

8. (ORIGINAL) The compound of claim 7, wherein R<sub>10</sub> is n-butyl.

9-16. (CANCELED)

17. (CURRENTLY AMENDED) The compound of claim 1, wherein the compound is:

~~2-(3-(4-n-butylpiperidine-1-yl)-propyl)-benzothiazole;~~

~~2-(3-(4-n-butylpiperidine-1-yl)-propyl)-benzooxazole;~~

~~4,5-difluoro-2-(3-(4-n-butylpiperidine-1-yl)-propyl)-1H-benzoimidazole;~~

~~6-fluoro-5-nitro-2-(3-(4-n-butylpiperidine-1-yl)-propyl)-1H-benzoimidazole;~~

~~5-tert-butyl-2-(3-(4-n-butylpiperidine-1-yl)-propyl)-1H-benzoimidazole;~~

~~5-chloro-6-methyl-2-(3-(4-n-butylpiperidine-1-yl)-propyl)-1H-benzoimidazole;~~

~~4,6-difluoro-2-(3-(4-n-butylpiperidine-1-yl)-propyl)-1H-benzoimidazole;~~

~~2-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-imidazo[4,5-c]pyridine;~~

~~8-(3-(4-n-butylpiperidine)-1-yl-propyl)-9H-purine;~~

~~7-(3-(4-n-butylpiperidine)-1-yl-propyl)-3,8-dihydro-imidazo[4',5':3,4]benzo[1,2-d][1,2,3]triazole;~~

~~2-(3-(4-n-butylpiperidine)-1-yl-propyl)-3a,4,5,6,7,7a-hexahydro-1H-benzoimidazole;~~

~~1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indole;~~

~~1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-benzoimidazole;~~

~~3-methyl-1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indole;~~

~~5-bromo-1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indole;~~

~~3-formyl-1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indole;~~

~~7-bromo-1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indole;~~

~~1-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-indazole;~~

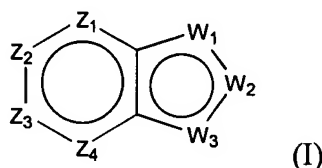
~~3-(3-(4-n-butylpiperidine)-1-yl-propyl)-benzo[d]isoxazole;~~

3-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;  
~~4-nitro-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~5-nitro-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~4-hydroxy-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~4-methyl-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
 3-(2-(4-*n*-butylpiperidine)-1-yl-ethyl)-1*H*-indole;  
 3-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indazole;  
 3-(2-(4-*n*-butylpiperidine)-ethoxy)-7-methyl-benzo[*d*]isoxazole;  
 1-(3-(4-~~M~~methylpiperidine)-1-yl-propyl)-1*H*-indazole;  
 1-(3-(4-~~P~~pentylpiperidine)-1-yl-propyl)-1*H*-indazole;  
 1-(3-(4-~~P~~propylpiperidine)-1-yl-propyl)-1*H*-indazole;  
 1-(3-(4-(3-~~M~~methyl-butyl)-piperidine)-1-yl-propyl)-1*H*-indazole  
 1-(3-(4-~~P~~pentylidene-piperidine)-1-yl-propyl)-1*H*-indazole;  
 1-(3-(4-~~P~~propylidene-piperidine)-1-yl-propyl)-1*H*-indazole  
 1-~~B~~benzo[*b*]thiophen-2-yl-4-(4-butylpiperidin-1-yl)-butan-1-one  
 4-(4-~~B~~butylpiperidin-1-yl)-1-(3-methyl-benzofuran-2-yl)-butan-1-one;  
 4-(4-~~B~~butylpiperidin-1-yl)-1-(5-fluoro-3-methyl-benzo[*b*]thiophen-2-yl)-butan-1-one;  
 1-~~B~~benzofuran-2-yl-4-(4-butylpiperidin-1-yl)-butan-1-one;  
 1-(3-~~B~~bromo-benzo[*b*]thiophen-2-yl)-4-(4-butylpiperidin-1-yl)-butan-1-one  
 1-(3-~~B~~benzo[*b*]thiophen-2-yl-propyl)-4-butylpiperidine;  
 1-(3-~~B~~benzofuran-2-yl-propyl)-4-butylpiperidine;  
 4-~~B~~butyl-1-[3-(3-methyl-benzofuran-2-yl)-propyl]-piperidine;  
 4-~~B~~butyl-1-[3-(5-fluoro-3-methyl-benzo[*b*]thiophen-2-yl)-propyl]-piperidine;  
 2-(3-~~I~~iodo-propyl)-benzo[*b*]thiophene;  
 1-(3-~~B~~benzo[*b*]thiophen-2-yl-propyl)-4-methylpiperidine  
 1-(3-~~B~~benzo[*b*]thiophen-2-yl-propyl)-4-benzylpiperidine;  
 1-(3-~~B~~benzo[*b*]thiophen-2-yl-propyl)-4-(2-methoxy-phenyl)-piperidine;  
 2-(3-~~B~~romopropyl)-2*H*-benzotriazole;  
 2-[3-(4-~~B~~utylpiperidin-1-yl)-propyl]-2*H*-benzotriazole;

~~1-(3-Bromopropyl)-1H-benzotriazole;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-1H-benzotriazole;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-1H-indole-3-carbaldehyde;~~  
~~{1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-1H-indol-3-yl}-methanol;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-2-phenyl-1H-benzoimidazole;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-3-chloro-1H-indazole;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-6-nitro-1H-indazole;~~  
~~Benzo[d]isoxazol-3-ol;~~  
~~3-(2-Chloroethoxy)-benzo[d]isoxazole;~~  
~~3-[2-(4-Bbutylpiperidin-1-yl)-ethoxy]-benzo[d]isoxazol;~~  
~~3-(1H-Indol-3-yl)-propan-1-ol;~~  
~~3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indole hydrochloride;~~  
~~4-(4-Butylpiperidine-1-yl)-butyric acid methyl ester;~~  
~~2-[3-(4-Butylpiperidin-1-yl)-propyl]-1-methyl-1H-benzimidazole;~~  
~~1H-Indazole-3-carboxylic acid (2-(4-butylpiperidin)-1-yl-ethyl)-amide;~~  
~~1-[3-(4-Bbutylpiperidin-1-yl)-propyl]-5-nitro-1H-indazole;~~  
~~2-[3-(4-butylpiperidin-1-yl)-propyl]-5-nitro-2H-indazole;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-2-methyl-1H-indole;~~  
~~1-{1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indol-3-yl}-ethanone;~~  
~~{1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indol-3-yl}-acetonitrile;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indole-3-carbonitrile;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-5,6-dimethyl-1H-benzoimidazole;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-5(6)-dimethyl-1H-benzoimidazole;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-5-methoxy-1H-benzoimidazole;~~  
~~{1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-benzoimidazol-2-yl}-methanol;~~  
~~1-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-2-trifluoromethyl-1H-benzoimidazole;~~  
~~(2-Trimethylstannanyl-phenyl)-carbamic acid-tert-butyl ester;~~  
~~[2-(4-Chloro-butyl)-phenyl]-carbamic acid-tert-butyl ester;~~  
~~{2-[4-(4-Butyl-piperidine-1-yl)-butyl]-phenyl}-carbamic acid-tert-butyl ester;~~  
~~3-[3-(4-Bbutyl-piperidine-1-yl)-propyl]-1H-indazole, HCl;~~

3-[3-(4-Bbutyl-piperidine-1-yl)-propyl]-5-nitro-1H-indazole;  
 3-[3-(4-Bbutyl-piperidine-1-yl)-propyl]-5,7-dinitro-1H-indazole;  
~~4-(4-Butyl-piperidin-1-yl)-1-(2-methylsulfonyl-phenyl)-butan-1-one;~~  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-benzo[d]isothiazole;  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-5-methoxy-1H-indazole;  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-4-methoxy-1H-indazole  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-6-methoxy-1H-indazole;  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indazole-4-ol-(53MF51);  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indazole-6-ol-(53MF52); or  
 3-[3-(4-Bbutyl-piperidin-1-yl)-propyl]-1H-indazole-5-ol.

18. (CURRENTLY AMENDED) A pharmaceutical composition comprising an effective amount of a compound of formula (I):

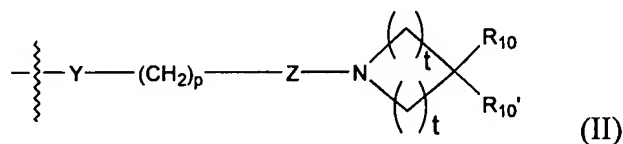


wherein:

~~Z<sub>1</sub> is CR<sub>1</sub> or N, Z<sub>2</sub> is CR<sub>2</sub> or N, Z<sub>3</sub> is CR<sub>3</sub> or N, and Z<sub>4</sub> is CR<sub>4</sub> or N, where no more than two of Z<sub>1</sub>, Z<sub>2</sub>, Z<sub>3</sub> and Z<sub>4</sub> are N;~~

~~W<sub>1</sub> is O, S, or NR<sub>5</sub>, one of W<sub>2</sub> and W<sub>3</sub> is N or CR<sub>6</sub>, and the other of W<sub>2</sub> and W<sub>3</sub> is CG; W<sub>1</sub> is NG, W<sub>2</sub> is CR<sub>5</sub> or N, and W<sub>3</sub> is CR<sub>6</sub> or N; or W<sub>1</sub> and W<sub>3</sub> are N, and W<sub>2</sub> is NG;~~

G is of formula (II):



Y is O, S, CHOH, -NHC(O)-, -C(O)NH-, -C(O)-, -OC(O)-, -(O)CO-, -NR<sub>7</sub>-, -CH=N-, or absent;

p is 1, 2, 3, 4 or 5;

Z is CR<sub>8</sub>R<sub>9</sub> or absent;

each t is 1, 2, or 3;

each R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub>, independently, is H, amino, hydroxyl, halo, or straight- or branched-chain C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>1-6</sub> heteroalkyl, C<sub>1-6</sub> haloalkyl, -CN, -CF<sub>3</sub>, -OR<sub>11</sub>, -COR<sub>11</sub>, -NO<sub>2</sub>, -SR<sub>11</sub>, -NHC(O)R<sub>11</sub>, -C(O)NR<sub>12</sub>R<sub>13</sub>, -NR<sub>12</sub>R<sub>13</sub>, -NR<sub>11</sub>C(O)NR<sub>12</sub>R<sub>13</sub>, -SO<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, -OC(O)R<sub>11</sub>, -O(CH<sub>2</sub>)<sub>q</sub>NR<sub>12</sub>R<sub>13</sub>, or -(CH<sub>2</sub>)<sub>q</sub>NR<sub>12</sub>R<sub>13</sub>, where q is an integer from 2 to 6, or R<sub>1</sub> and R<sub>2</sub> together form -NH-N=N- or R<sub>3</sub> and R<sub>4</sub> together form -NH-N=N-;

each R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub>, independently, is H, C<sub>1-6</sub> alkyl; formyl; C<sub>3-6</sub> cycloalkyl; C<sub>5-6</sub> aryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or C<sub>5-6</sub> heteroaryl, optionally substituted with halo or C<sub>1-6</sub> alkyl;

each R<sub>8</sub> and R<sub>9</sub>, independently, is H or straight- or branched-chain C<sub>1-8</sub> alkyl;

R<sub>10</sub> is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, C<sub>1-8</sub> heteroalkyl, C<sub>1-8</sub> aminoalkyl, C<sub>1-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>1-8</sub> hydroxyalkoxy, C<sub>1-8</sub> hydroxyalkyl, -SH, C<sub>1-8</sub> alkylthio, -O-CH<sub>2</sub>-C<sub>5-6</sub> aryl, -C(O)-C<sub>5-6</sub> aryl substituted with C<sub>1-3</sub> alkyl or halo, C<sub>5-6</sub> aryl, C<sub>5-6</sub> cycloalkyl, C<sub>5-6</sub> heteroaryl, C<sub>5-6</sub> heterocycloalkyl, -NR<sub>12</sub>R<sub>13</sub>, -C(O)NR<sub>12</sub>R<sub>13</sub>, -NR<sub>11</sub>C(O)NR<sub>12</sub>R<sub>13</sub>, -CR<sub>11</sub>R<sub>12</sub>R<sub>13</sub>, -OC(O)R<sub>11</sub>, -(O)(CH<sub>2</sub>)<sub>s</sub>NR<sub>12</sub>R<sub>13</sub> or -(CH<sub>2</sub>)<sub>s</sub>NR<sub>12</sub>R<sub>13</sub>, s being an integer from 2 to 8;

R<sub>10'</sub> is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, C<sub>1-8</sub> heteroalkyl, C<sub>1-8</sub> aminoalkyl, C<sub>1-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>1-8</sub> hydroxyalkoxy, C<sub>1-8</sub> hydroxyalkyl, or C<sub>1-8</sub> alkylthio;

each R<sub>11</sub>, independently, is H, straight- or branched-chain C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>2-8</sub> heteroalkyl, C<sub>2-8</sub> aminoalkyl, C<sub>2-8</sub> haloalkyl, C<sub>1-8</sub> alkoxycarbonyl, C<sub>2-8</sub> hydroxyalkyl, -C(O)-C<sub>5-6</sub> aryl substituted with C<sub>1-3</sub> alkyl or halo, C<sub>5-6</sub> aryl, C<sub>5-6</sub> heteroaryl, C<sub>5-6</sub> cycloalkyl, C<sub>5-6</sub> heterocycloalkyl, -C(O)NR<sub>12</sub>R<sub>13</sub>, -CR<sub>5</sub>R<sub>12</sub>R<sub>13</sub>, -(CH<sub>2</sub>)<sub>t</sub>NR<sub>12</sub>R<sub>13</sub>, t is an integer from 2 to 8; and

each R<sub>12</sub> and R<sub>13</sub>, independently, is H, C<sub>1-6</sub> alkyl; C<sub>3-6</sub> cycloalkyl; C<sub>5-6</sub> aryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or C<sub>5-6</sub> heteroaryl, optionally substituted with halo or C<sub>1-6</sub> alkyl; or R<sub>12</sub> and R<sub>13</sub> together form a cyclic structure;

or a pharmaceutically acceptable salt, ester or prodrug thereof.

19. (ORIGINAL) A pharmaceutical composition of Claim 18, wherein each t is 2 and R<sub>10</sub> is straight- or branched-chain C<sub>2-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>1-8</sub> alkylidene, C<sub>1-8</sub> alkoxy, or C<sub>1-8</sub> heteroalkyl.

20. (ORIGINAL) A pharmaceutical composition of Claim 19, wherein R<sub>10</sub> is n-butyl.

21. (CANCELED)

22. (CURRENTLY AMENDED) A pharmaceutical composition of Claim ~~24~~19, wherein each R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub>, independently, is H, hydroxyl, halo, C<sub>1-6</sub>heteroalkyl, CF<sub>3</sub>-, NO<sub>2</sub>, or straight- or branched-chain C<sub>1-6</sub> alkyl, or R<sub>1</sub> and R<sub>2</sub> together form -NH-N=N- or R<sub>3</sub> and R<sub>4</sub> together form -NH-N=N-.

23. (ORIGINAL) A pharmaceutical composition of Claim 19, wherein Y is absent or O, p is 0, 1, 2 or 3, and R<sub>8</sub> and R<sub>9</sub> are H.

24. (ORIGINAL) A pharmaceutical composition of Claim 23, wherein Z is absent, Y is absent and p is 3.

25. (ORIGINAL) A pharmaceutical composition of Claim 24, wherein R<sub>10</sub> is n-butyl.

26-33. (CANCELED)

34. (CURRENTLY AMENDED) A pharmaceutical composition of Claim 19, wherein the compound is:

~~2-(3-(4-n-butylpiperidine-1-yl)propyl)benzothiazole;~~

~~2-(3-(4-n-butylpiperidine-1-yl)propyl)benzooxazole;~~

~~4,5-difluoro-2-(3-(4-n-butylpiperidine-1-yl)propyl)-1H-benzoimidazole;~~

~~6-fluoro-5-nitro-2-(3-(4-n-butylpiperidine-1-yl)propyl)-1H-benzoimidazole;~~

~~5-tert-butyl-2-(3-(4-n-butylpiperidine-1-yl)propyl)-1H-benzoimidazole;~~

~~5-chloro-6-methyl-2-(3-(4-n-butylpiperidine-1-yl)propyl)-1H-benzoimidazole;~~

~~4,6-difluoro-2-(3-(4-n-butylpiperidine-1-yl)propyl)-1H-benzoimidazole;~~

~~2-(3-(4-n-butylpiperidine)-1-yl-propyl)-1H-imidazo[4,5-c]pyridine;~~

~~8-(3-(4-n-butylpiperidine)-1-yl-propyl)-9H-purine;~~



~~7-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-3,8-dihydro-imidazo[4',5':3,4]benzo[1,2-*d*][1,2,3]triazole;~~  
~~2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-3a,4,5,6,7,7a-hexahydro-1*H*-benzoimidazole;~~  
~~1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~3-methyl-1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~5-bromo-1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~3-formyl-1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~7-bromo-1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~1-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~3-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-benzo[*d*]isoxazole;~~  
~~3-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indole;~~  
~~4-nitro-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~5-nitro-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~4-hydroxy-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~4-methyl-2-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-benzoimidazole;~~  
~~3-(2-(4-*n*-butylpiperidine)-1-yl-ethyl)-1*H*-indole;~~  
~~3-(3-(4-*n*-butylpiperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~3-(2-(4-*n*-butylpiperidine)-ethoxy)-7-methyl-benzo[*d*]isoxazole;~~  
~~1-(3-(4-methylpiperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~1-(3-(4-pentylpiperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~1-(3-(4-propylpiperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~1-(3-(4-(3-methyl-butyl)-piperidine)-1-yl-propyl)-1*H*-indazole~~  
~~1-(3-(4-pentylidene-piperidine)-1-yl-propyl)-1*H*-indazole;~~  
~~1-(3-(4-propylidene-piperidine)-1-yl-propyl)-1*H*-indazole~~  
~~1-benzo[*b*]thiophen-2-yl-4-(4-butylpiperidin-1-yl)-butan-1-one~~  
~~4-(4-butylpiperidin-1-yl)-1-(3-methyl-benzofuran-2-yl)-butan-1-one;~~  
~~4-(4-butylpiperidin-1-yl)-1-(5-fluoro-3-methyl-benzo[*b*]thiophen-2-yl)-butan-1-one;~~  
~~1-benzofuran-2-yl-4-(4-butylpiperidin-1-yl)-butan-1-one;~~

1-(3-bromo-benzo[*b*]thiophen-2-yl)-4-(4-butylpiperidin-1-yl)-butan-1-one  
1-(3-benzo[*b*]thiophen-2-yl-propyl)-4-butylpiperidine;  
1-(3-benzofuran-2-yl-propyl)-4-butylpiperidine;  
4-butyl-1-[3-(3-methyl-benzofuran-2-yl)-propyl]-piperidine;  
4-butyl-1-[3-(5-fluoro-3-methyl-benzo[*b*]thiophen-2-yl)-propyl]-piperidine;  
2-(3-iodo-propyl)-benzo[*b*]thiophene;  
1-(3-benzo[*b*]thiophen-2-yl-propyl)-4-methylpiperidine  
1-(3-benzo[*b*]thiophen-2-yl-propyl)-4-benzylpiperidine;  
1-(3-benzo[*b*]thiophen-2-yl-propyl)-4-(2-methoxy-phenyl)-piperidine;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-1H-benzotriazole;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-1H-indole-3-carbaldehyde;  
{1-[3-(4-butylpiperidin-1-yl)-propyl]-1H-indol-3-yl}-methanol;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-2-phenyl-1H-benzoimidazole;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-3-chloro-1H-indazole;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-6-nitro-1H-indazole;  
3-[2-(4-butylpiperidin-1-yl)-ethoxy]-benzo[*d*]isoxazol;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]- 1H-indole hydrochloride;  
1H-indazole-3-carboxylic acid (2-(4-butylpiperidin-1-yl-ethyl)-amide;  
1-[3-(4-butylpiperidin-1-yl)-propyl]-5-nitro-1H-indazole;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-2-methyl-1H-indole;  
1-{1-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indol-3-yl}-ethanone;  
{1-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indol-3-yl}-acetonitrile;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indole -3-carbonitrile;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-5,6-dimethyl-1H-benzoimidazole;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-5(6)-dimethyl-1H-benzoimidazole;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-5-methoxy-1H-benzoimidazole;  
{1-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-benzoimidazol-2-yl}-methanol;  
1-[3-(4-butyl-piperidin-1-yl)-propyl]-2-trifluoromethyl-1H-benzoimidazole;  
3-[3-(4-butyl-piperidine-1-yl)-propyl]-1H-indazole, HCl;  
3-[3-(4-butyl-piperidine-1-yl)-propyl]-5-nitro-1H-indazole;

3-[3-(4-butyl-piperidine-1-yl)-propyl]-5,7-dinitro-1H-indazole;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-benzo[d]isothiazole;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-5-methoxy-1H-indazole;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-4-methoxy-1H-indazole  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-6-methoxy-1H-indazole;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indazole-4-ol;  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indazole-6-ol; or  
3-[3-(4-butyl-piperidin-1-yl)-propyl]-1H-indazole-5-ol.

35-76. (CANCELED)